

CLAIMS

1. A device for programming a pump used to inject
5 medicaments into a patient's body, said pump being
made up of two connectable units, namely:
 - a cartridge unit (12) which contains a liquid to
10 be injected and which comprises an electronic
memory (36) intended to contain data relating to
the treatment that the patient is to receive, and
 - a pump unit (10) comprising actuation means (18)
15 which act on the cartridge unit (12) in order to
convey the liquid outward, a microprocessor which
is used to control said means using the data
contained in said memory (36), and a source of
electrical energy,
- 20 characterized in that it comprises:
 - a computer (46) which is used to produce said
data, and
 - 25 - a first interface (50) which can be connected to
the computer in order to receive said data and
which is designed to be connected to the
cartridge unit (12) in place of the pump unit
(10) in order to introduce the data into its
30 memory (36).
2. The device as claimed in claim 1, for programming a
pump whose pump unit (10) comprises an electronic
memory intended to contain safety data,
35 characterized in that it comprises a second
interface (48) which can be connected to the
computer (46) in order to receive said data and

which is designed to be connected to the pump unit (10) in place of the cartridge unit (12) in order to introduce the data into its memory.

- 5 3. The device as claimed in claim 2, for programming a pump in which the energy source is an accumulator, characterized in that the second interface (48) is equipped with means for recharging said accumulator.
- 10 4. The device as claimed in one of claims 1 through 3, for programming a pump whose pump unit (10) and cartridge unit (12) are linked by means of a bayonet articulation comprising a male part and a female part, characterized in that the first interface (50) comprises the same articulation part (24) as the pump unit (10), while the second interface (48) comprises the same articulation part (34) as the cartridge unit (12).
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- 20 5. The device as claimed in one of claims 1 through 4, for programming a pump in which the memory of the cartridge unit (12) is a SIM card (32) and the pump unit (10) comprises a connector (22) linked to its microprocessor and positioned in such a way that, upon connection of the two units, its contact regions make precise contact with the regions of said SIM card, characterized in that said first interface (50) comprises a connector (62) positioned in such a way that, when the interface and the cartridge unit (12) are joined together, its contact regions make precise contact with the SIM card (32).
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- 35 6. The device as claimed in claim 5, characterized in that said second interface (48) comprises a connector (56) positioned in such a way that, when the interface and the pump unit (10) are joined together, its contact regions make precise contact

with the connector (22) of the pump unit.

7. The device as claimed in one of claims 1 through 6,
characterized in that it comprises means (68, 70)
5 for remote initiation of a transfer of data between
the computer (46) and the memory (36) of the
cartridge unit (12).
8. The device as claimed in claim 7, characterized in
10 that said transfer of data is in two directions.